

1. (Amended) A color cathode-ray tube comprising a glass faceplate on which is deposited a screen of luminescent materials, a color-selection mask arranged close to the screen, a frame to which the mask is fixed and which holds it under tension along at least one direction, said frame being of a substantially rectangular shape defined by a pair of opposed long sides and a pair of likewise opposed short sides; at least two sides each include an edge in the form of a metal part substantially parallel to the surface of the mask, the mask/frame assembly being held within the faceplate by support means engaging pins fixed to the faceplate, wherein at least two said means each incorporate a metal piece including a first portion extending over one of the surfaces of said metal part, said first portion being secured by welding to the metal part and at least one second portion extending in a direction substantially perpendicular to the surface of the mask, said metal piece and said support means having coefficients of thermal expansion that cause the sides having the first portion to deform when heated such that ends of the sides not having the first portion approach each other to reduce the tension in the mask during heating.